

The background of the slide features a stylized illustration of a globe with a magnifying glass over it. The globe is tilted, showing the Americas. A magnifying glass with a grey handle and a blue lens is positioned over the globe, focusing on the North American continent. The handle of the magnifying glass is a thick, dark grey cable that extends towards the bottom left. On the left side of the image, there are vertical lines and circles resembling a circuit board or a data stream. The overall color palette is dominated by blues, greens, and greys.

PHIN Certification Roadmap

Don Nestor
May 2004

Agenda



- ◆ *History and Background*
- ◆ *Roles in the Certification Process*
- ◆ *Areas of Certification*
- ◆ *DRAFT Certification Process*
- ◆ *High-Level Functional Certification*
- ◆ *Metric/Message Certification*
- ◆ *Questions and Answers*



Smallpox Vaccination Campaign (2003-2004)

24 jurisdictions were certified to use state-developed or commercial systems

Kentucky

Alaska

Washington State

Massachusetts

Louisiana

Washington DC

Florida

New Hampshire

Kansas

Oklahoma

New Jersey

North Dakota

Missouri

Minnesota

New York State

Pennsylvania

West Virginia

Connecticut

New York City

Wyoming

Utah

Colorado

Arizona

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SARS Case Reporting (2004)

9 jurisdictions were certified to use state-developed or commercial systems
An additional 5 jurisdictions plan to complete certification in the Fall of 2004

Certified

Ohio

New York

California

Georgia

Illinois

Kansas

Minnesota

Oregon

Tennessee

Pending

New Jersey

Missouri

Alabama

Utah

Hawaii

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Possible Areas for PHIN Preparedness Certification



Early Event
Detection

Countermeasure
and Response
Administration

Outbreak
Management

Integrating
Routine
Surveillance for
Preparedness

Communication
And
Alerting

Connecting
Laboratory
Systems

Automated
Data
Exchange

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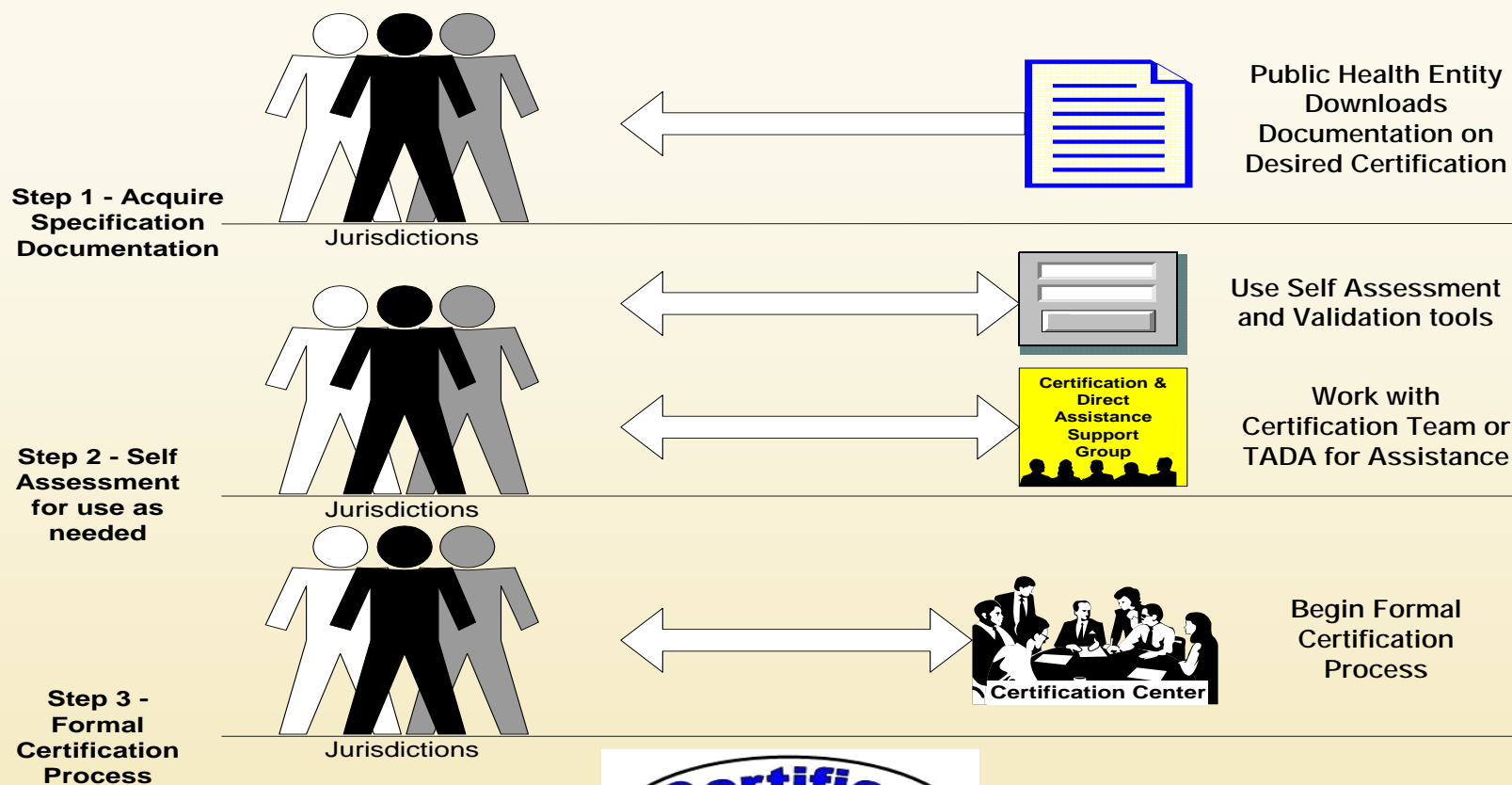
◆ PHIN Certification Team

- ◆ Provide functional self assessment and message validation tools
- ◆ Provide all test scenarios needed for certification
- ◆ Conduct formal certification review
- ◆ Provide assistance throughout the certification process.

◆ PHIN Technical Assistance and Direct Assistance Team

- ◆ Provides assistance with the technical implementation of PHIN specifications, components, and systems

High Level Certification Process



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1. Review of PHIN Specifications
2. As needed, use self-assessment tools and documentation
3. Demonstration of functionality
 - Onsite visit
 - Site-originated Web Conference
4. Review and assessment of materials
5. Results presented to jurisdiction for review
6. Documentation of certification results

Self Assessment Summary Page



Microsoft Excel - Functional_Self_Assessment_Tool_Example1

Type a question for help

A2 [Type your jurisdiction name here]

	A	B	C	D	E	F	G	H	I	J	K	L
1												
2	[Type your jurisdiction name here]											
3	PHIN Functional Specification:							Countermeasure Administration				
4												
5												
6	Total %		Critical		Non-Critical							
7	Answered Yes		26%		28%							
8												
9												
10												
11												
12	Critical Requirements		% Answered Yes		Number Yes		Number No					
13	Organization		50%		8		1					
14	Patient Administration		30%		5		2					
15	FunctionalRequirement #3											
16	FunctionalRequirement #4											
17	FunctionalRequirement #5											
18	FunctionalRequirement #6											
19	FunctionalRequirement #7											
20	FunctionalRequirement #8											

Ready Sum=0.54 NUM

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Example Question



Countermeasure Administration - Organization Data

Critical or Non Critical	Requirement Tracking Number	Functional Requirements: Organization Data	Preferred Validation Method (The Certification Team will describe preferred method by which jurisdiction can demonstrate compliance.) (Examples: Demo: User Manual:	Does your system perform this function or capture this information? (Answer is Y or N)	Special considerations or special issues or special training needed to perform this function or to capture this information.
Critical? Not Critical?	Tracking #	Requirement	Validation Method	Jurisdiction Captures	Special Considerations
Critical	CA1000.1	Organization data should be stored for organizations that participate in the program	Demonstration of Test System	Y	Unable to report values of unknown

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◆ Two Main Areas Today

◆ Metrics

- 80% of target roles receive an outbreak alert

◆ Messages

- BT Laboratory Result Message
 - HL7 Version 2.4z

BT Laboratory Results Message
Laboratory Result Message for Biodefense
Response

V1.6

Centers for Disease Control and Prevention
June 18, 2003

Message Certification



1. Download implementation guides, documentation, and test scenarios
2. As needed, use online self-assessment tool
3. Demonstrate functionality. For example,
 - Send valid message to certification team
 - Send an alert and confirm its delivery to a specific role
4. Review and assessment
5. Results presented to jurisdiction for review
6. Documentation of certification results

Online Validation Tool




Message Conformance Validation Tool - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media

Address <http://localhost/cv/validate.do> Go

Links Apache BBC BT Documentation Site Messaging Vision CITS Online - Business Office CDC Unified Process RUP Slashdot SourceForge

Message Conformance Validation Tool Admin 

Validate
Upload your message to verify conformance to the indicated message specification.

[Validate](#) [Output](#)

Message File [Browse...](#)

Specification

[Go](#)

Information

This tool allows you to test messages for conformance against various message specifications.

To test a file, Browse or type a filename into the Message File field and select the appropriate Specification to test against.

Further documentation for the listed specifications can be obtained below.

[NNDM](#) - NEDSS Notifiable Disease Message

[NNDMv1.0?](#) - NEDSS Notifiable Disease Message (official ballot version?)

[ORU_R01z](#) - Bioterrorism Lab Result

<http://localhost/cv/validate.do#> Local intranet

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Validation Output




Message Conformance Validation Tool - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print Mail News RSS Feeds

Address <http://localhost/cv/validate.do;sessionId=16191A5F4715222E50608FB3507C510C> Go

Links Apache BBC BT Documentation Site Messaging Vision CITS Online - Business Office CDC Unified Process RUP Slashdot SourceForge

Message Conformance Validation Tool Admin 

Validate
Upload your message to verify conformance to the indicated message specification.

[Validate](#) [Output](#)

Validation Results
Validation against the NNDM specification: failed

2 errors were found while validating SampleNotification_invalid.xml.

Please see the output below for detailed information.

Error on line 12, column 10: cvc-complex-type.2.4.a: Invalid content starting with element 'zzzzzz'. One of '{"urn:hl7-org:v3":acceptAckCode}' is expected.

Error on line 26, column 14: cvc-complex-type.2.4.a: Invalid content starting with element 'something'. One of '{"urn:hl7-org:v3":deviceRcv}' is expected.

Information

This tool allows you to test messages for conformance against various message specifications.

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[NNDM](#) - NEDSS Notifiable Disease Message

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Done Local intranet

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Certification Types



- ◆ PHIN Functional Areas
 - ◆ Certified as Passed or Failed
 - ◆ Progress in percentage
- ◆ Specific Messages and Metrics
 - ◆ Certified as Passed or Failed
- ◆ Certification Status Reports
 - ◆ Summary and detailed formats
 - ◆ Formal hardcopy can be requested at any time during the process



Contact Information



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Questions and Answers

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